

Review of CERS Violation Library and APSA Violations

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26th California Unified Program Annual Training Conference February 26-29, 2024

Overview

- Brief History of SPCC Rule
- Introduction to APSA
- Violation Classifications
- Common APSA Related Tanks
- Navigating CERS and the Violation Library
- Common Violations



40 CFR 112: Federal SPCC Rule

- Came into effect in January 1974
- Requirements for prevention, preparedness and response to oil discharges
- Scope of SPCC rule apply to specific non-transportation (facility not exclusively covered by DOT) related facilities
 - Reasonably expected to discharge oil into navigable waters, and
 - Greater than 1,320 gal (only containers with capacity of 55 gal or more), or
 - Underground storage capacity greater than 42,000 gal



SPCC Plans and Rules

- APSA references federal standards
- Must prepare and implement a site-specific SPCC plan
 - Operating, inspection, and testing procedures
 - Containment and control measures
 - Countermeasures and cleanup measures



40 CFR 112 Breakdown

- Subpart A 112.1 112.7
 - > Applicability, definitions, and general requirements
- Subpart B 112.8 112.11
 - Petroleum oil at on-shore and non-oil production facilities
- Subpart C 112.12 (not part of APSA)
 - > Requirements for animal fats and vegetable oils
- Subpart D 112.20
 - > Facility Response Plan



40 CFR 112 APSA Relevant Sections

- 112.1 General Applicability
- 112.2 Definitions
- 112.3 Requirements to prepare and implement SPCC Plan
- 112.4 Amendments of SPCC Plan by EPA
- 112.5 SPCC Plan by Owner



40 CFR 112 APSA Relevant Sections

- 112.6 Qualified Facility Plan Requirements
- 112.7 General Requirements for SPCC
- 112.8 SPCC Plan requirements for onshore facilities
- 112.20(e) Substantial Harm Criteria



APSA

- Under 1989 law, State Water Board and Regional Water Board responsibility for administration
- Due to 2002-2003 financial crisis, responsibilities were shifted and in 2008 AB 1130 transferred responsibilities to UPAs
- Effective 2013 AB 1566 authorized OSFM as the oversight agency for APSA



Assembly Bill 1130

- Facilities with storage capacity of 1,320 gal or more of petroleum to prepare implement SPCC plan
- Inspections at facilities with storage capacity of greater than or equal to 10,000 gal of petroleum every 3 years
- Require inspectors to complete an AST training program



Assembly Bill 2902

- CHSC 25270.2
- SPCC plan require for facilities with less than 1,320 gal storage capacity and one or more Tank in an Underground Area (TIUGA)
- Tank facility with less than 1,320 gal of petroleum may use qualified SPCC template ore prepare a full SPCC plan
- Excludes following TIUGA if facility hydraulic fluid for closed loop mechanical systems, sump, clarifiers, catch basin



Tier I Facilities

- Total aboveground oil storage capacity of 10,000 gal or less
- No aboveground oil storage container greater than 5,000 gal
- No single oil discharge greater than 1,000 gal
- No two discharges greater than 42 gal within any 12 month period
- May use EPA template



Tier I Qualified Facility SPCC Plan

This template constitutes the SPCC Plan for the facility, when completed and signed by the owner or operator of a facility that meets the applicability criteria in §112.3(g)(1). This template addresses the requirements of 40 CFR part 112. Maintain a complete copy of the Plan at the facility if the facility is normally attended at least four hours per day, or for a facility attended fewer than four hours per day, at the nearest field office. When making operational changes at a facility that are necessary to comply with the rule requirements, the owner/operator should follow state and local requirements (such as for permitting, design and construction) and obtain professional assistance, as appropriate.

Facility Description

Facility Name		
Facility Address		
City	State	ZIP
County	Tel. Number _() -	
Owner or Operator Name		
Owner or Operator Address		
City	State	ZIP
County	Tel. Number () -	

I. Self-Certification Statement (§112.6(a)(1))

The owner or operator of a facility certifies that each of the following is true in order to utilize this template to comply with the SPCC requirements:

certify that the following is accurate:

- 1. I am familiar with the applicable requirements of 40 CFR part 112;
- 2. I have visited and examined the facility;
- 3. This Plan was prepared in accordance with accepted and sound industry practices and standards;
- Procedures for required inspections and testing have been established in accordance with industry inspection and testing standards or recommended practices;
- 5. I will fully implement the Plan;
- 6. This facility meets the following qualification criteria (under §112.3(g)(1)):
 - a. The aggregate aboveground oil storage capacity of the facility is 10,000 U.S. gallons or less; and
 - b. The facility has had no single discharge as described in §112.1(b) exceeding 1,000 U.S. gallons and no two discharges as described in §112.1(b) each exceeding 42 U.S. gallons within any twelve month period in the three years prior to the SPCC Plan self-certification date, or since becoming subject to 40 CFR part



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Tier II Facilities

- Total aboveground oil storage capacity of 10,000 gal or less
- Any aboveground oil storage container greater than 5,000 gal
- No single oil discharge greater than 1,000 gal
- No two discharges greater than 42 gal within any 12 month period
- May use OSFM template



Tier II Qualified Facility SPCC Plan

This template constitutes the SPCC Plan (Plan) for the facility, when completed and signed by the owner or operator of a facility that meets the applicability criteria in 40 CFR §112.3(g)(2). This template addresses the requirements of 40 CFR Part 112. Maintain a complete copy of the Plan at the facility if the facility is normally attended at least four hours per day, or for a facility attended fewer than four hours per day, at the nearest field office. When making operational changes at a facility that are necessary to comply with the rule requirements, the owner/operator should follow state and local requirements (such as for permitting, design, and construction) and obtain professional assistance, as appropriate.

Facility Description

Facility Name	-	
Facility Address	_	
City	State	ZIP
County	Tel. Number _(
Owner or Operator Name	-	
Owner or Operator Address	-	
City	State	ZIP
County	Tel. Number () -	

I. Certification

A. Self-Certification Statement (§112.6(b)(1))

The owner or operator of a facility certifies that each of the following is true in order to utilize this template to comply with the SPCC requirements:

- 1. I am familiar with the applicable requirements of 40 CFR Part 112;
- 2. I have visited and examined the facility;
- This Plan was prepared in accordance with accepted and sound industry practices and standards, and with the requirements of 40 CFR Part 112;
- 4. Procedures for required inspections and testing have been established;
- 5. I will fully implement the Plan;
- 6. This facility meets the following qualification criteria (under §112.3(g)(2)):



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PE Certified Plan – Non-Qualified

- Typically much longer and more detailed than templates
- Must be PE reviewed and certified
- PE certification does not relieve the owner/operator of duty to prepare and implement plan







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APSA Petroleum vs US EPA Oil

- APSA regulates petroleum oil
 - > Crude oil or any fraction thereof
 - Liquid at 60 degrees Fahrenheit
- US EPA regulates all types of oil
 - > Petroleum
 - Animal (including fats and greases)
 - Vegetable (including nut based oil)



Is Biodiesel subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Liquified Petroleum Gas (LPG) subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Hot Mix Asphalt subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Grease subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Machining Coolant subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Mineral Oil subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Is Synthetic Oil subject to APSA requirements?

- A) Yes
- B) No
- C) It depends
- D) I don't know





Regulated Facilities and Requirements

- Facility has storage capacity of 1,320 gal or more of petroleum
- One or more tanks meet definition of Tank in Underground Area (TIUGA)
- File annual tank facility statement or HMBP electronically to CERS
- Prepare and implement an SPCC plan



Violation Classification

Minor

- Least egregious type of violation
- No economic benefit from noncompliance
- Violation doesn't result in injury to person or property

Class II

- Failure to correct minor violations
- Violations that do not meet criteria of Minor or Class I violations

Class I

- Most egregious type of violation
- Intentional, should have known, falsifying documents
- Post a significant harm to the environment or human life



Violation Classification Examples

Minor

- Plan doesn't provide cross reference
- Incomplete or inaccurate facility diagram

Class II

- Technical amendment not certified
- ➤ No management approval of the SPCC plan

Class I

- Non-qualified facility that doesn't have a SPCC plan
- > Failure to correct violations after previously cited and failed to comply



Things To Consider

- Relative hazard
- Intent
- Number of violations
- Compliance history
- Economic benefit



Things Not To Consider

- Potential outcomes of future enforcement
- Size or fiscal health of the business
- Demeaner of the facility representative



APSA Penalties

- Civil penalty of no more than \$5,000 per day
 - > 25270.4.5(a): Failure to prepare SPCC plan
 - > 25270.6(a): Failure to submit a Tank Facility Statement
 - > 25270.6(b): Failure to pay APSA Program Fee
 - > 25270.8: Reporting petroleum spill
- Subsequent violation civil penalty of no more than \$10,000 per day
- Potential to be prosecuted as a misdemeanor

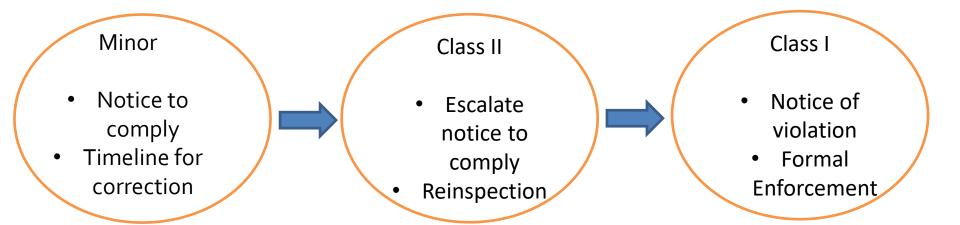


Elevating Violations

- All effort should be made to gain compliance
- Failure to come into compliance can lead to elevated classification
- Explanation provided to businesses of enforcement pathway



Graduated Enforcement





Common APSA Regulated Facilities

- Aboveground fueling sites
- Automotive repair shops
- Big warehouses
- High rise and hospital buildings



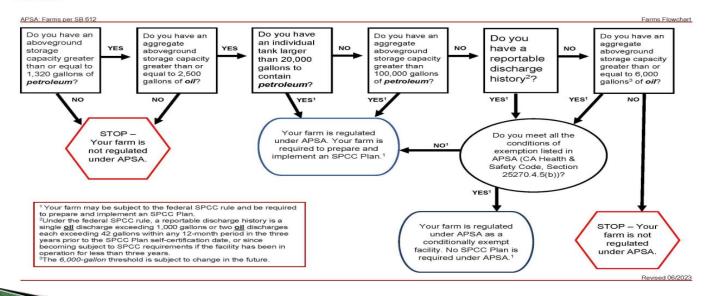
Common Tank Exemptions Under APSA

- CHSC 25270.2(a)
 - Aboveground oil production tanks
 - ➤ Oil-filled electrical equipment
 - > Tanks regulated as a UST
 - > TIUGA less than 55 gal



Regulation of Farms Under APSA

Use the following flowchart to assist whether your farm is regulated under APSA





Oil Lubrication and Fuel Tanks











Mobile Refuelers

May or may not be subject to APSA based off of operations





TIUGA

- Must allow for direct viewing of exterior of tank to check for leaks
- Direct viewing not required for double-walled tanks
- Older tank systems may not meet TIUGA requirements







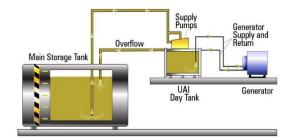


Generator Systems











Importance of Inspection Report

- Agency's and public's record of the inspection
- Documents and supports potential violations
- Include corrective action requirements
- Stick to the facts/relevant information
- Provides information for future inspectors







CERS Central

Welcome to the California Environmental Reporting System (CERS)

Business Portal Sign

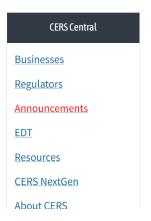
Regulator Sign In

Regulator Training Portal Sign In

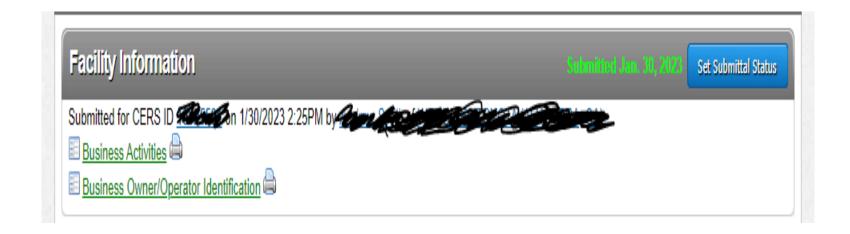
CERS Stale User Account Deletion

A CERS regulator or business user account that has been inactive for 1 or more years is considered a stale account. Stale accounts pose a security risk as each accounts offers a malicious actor opportunity to gain access to CERS. To comply with CalEPA's Information Security policies, any CERS account with no login activity within 1 year will be disabled and removed. This includes first











-Aboveground Petroleum Storage-

Does your facility own or operate aboveground petroleum storage tanks or containers AND: 🐠

- · have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR
- · have one or more petroleum tanks in an underground area?





Aboveground Petroleum Storage Act

Submitted Jan. 30, 2023

Set Submittal Status

Submitted for CERS ID Amon 1/30/2023 2:25PM by







-Facility Information-

Conditionally Exempt @

No

Total Aboveground Storage Capacity of Petroleum 9 1712

Number of Tanks in Underground Area(s) 0

Date of SPCC Plan Certification or Date of 5-Year Review 7/10/2020







You can meet the APSA tank facility statement requirement by either uploading a Tank Facility Statement or by submitting a hazardous materials business plan. To obtain a Tank Facility Statement (filiable PDF) or for APSA Program inquiries, please contact OSFM at cupa@fire.ca.gov

To upload a tank facility statement, select the Browse button, locate the file on your computer to upload, provide a document title, and then select Save & Finish.

To submit a hazardous materials business plan, you must submit the Facility Information, Hazardous Materials Inventory, Site Map, and Emergency Response and Training Plans submittal elements through CERS. To indicate that you are using the hazardous materials business plan to meet the APSA tank facility statement requirement, select the **Provided**Elsewhere in CERS document option below, select **Hazardous Materials Inventory**, and then click the **Save button**.

Facilities subject to APSA shall keep a copy of their Spill Prevention, Control, and Countermeasure (SPCC) Plan onsite if the facility is normally attended at least four hours per day, or at the nearest field office if the facility is not so attended.

SPCC PLANS ARE NOT REQUIRED TO BE UPLOADED INTO CERS AND, THEREFORE, SPCC PLANS SHOULD NOT BE UPLOADED INTO CERS.

Your local regulator may request additional documentation to be provided if indicated below under "Local Reporting Requirements" information. For additional information, please contact your local regulator.

Document Options

Upload Document(s)
Public Internet URL
Provided Elsewhere in CERS

Provided to Regulator Stored at Facility Exempt

Provided Elsewhere in CERS

If requirements for this supplemental documentation can be satisfied by another document you have provided in CERS, please indicate the submittal element where the document can be found and provide the submittal date or other comments to assist your regulator in locating this document in your current/previous CERS facility submittals.

Supplied With... Facility Information

Hazardous Materials Inventory

Emergency Response and Training Plans Aboveground Petroleum Storage Act

Comments



ABOVEGROUND PETROLEUM STORAGE ACT: TANK FACILITY STATEMENT

I. IDENTIFICATION

FACILITY NAME (Same as BUSINESS NAME or DBA – Doing Business As):

FACILITY PHONE:

FACILITY ADDRESS:

FACILITY CITY: _____STATE: CA ZIP CODE: ____

CONTACT NAME:

CONTACT PHONE:____

II. TOTAL FACILITY STORAGE CAPACITY

Tank facility's total aboveground petroleum storage capacity (in gallons) for all tanks and containers, including tanks in an underground area, with a shell capacity *greater than or equal to* 55 gallons (see instructions for details):

_____ gallons

III. TANK AND CONTAINER DETAILS

Details of each aboveground petroleum storage tank or container *greater than* 10,000 gallons in shell capacity (attach additional forms if needed)

Tank 1:

Tank or Container ID Number:

Contents (Gas, Diesel, etc.):

Shell Capacity (in gallons):

Location of Tank or Container:

Tank 2:

Tank or Container ID Number:

Contents (Gas, Diesel, etc.):



lazaro	dous Materials Inventory (25)			Accepted May. 21, 2020
	Common Name	CAS	Location	Max Daily Amount
View	DIESEL FUEL #2	68476-30-2	COVERED FUEL AREA (5) TANK #1	12,000 gallons
View	DIESEL FUEL #2	68476-30-2	COVERED FUEL AREA (5) TANK #2	12,000 gallons
View	GASOLINE, PETROLEUM	8002-05-9	COVERED FUEL AREA (5) TANK #3	4,000 gallons
View	Waste Motor Oil		MAINTENANCE BUILDING	1,000 gallons
View	Waste Ethylene Glycol	107-21-1	MAINTENANCE BUILDING	500 gallons
View	ETHYLENE GLYCOL	107-21-1	Lube Room 1	450 gallons
View	Automatic Transmission Fluid		Lube Room 1	500 gallons
View	Automatic Transmission Fluid		Lube Room 2	500 gallons
View	Diesel fuel #2 🖨 🧹	68476-34-6	South West Corner of Yard (Generator)	2,900 gallons
View	Oxygen 🖨	7782-44-7	MAINTENANCE BUILDING	537 cubic feet

= subject to APSA





Regulators

Compliance, Monitoring, and Enforcement (CME) Data

Regulators must submit their Compliance, Monitoring and Enforcement (CME) data into CERS no later than within 30 days after the end of the quarter containing a CME transaction's action date (of each completed fiscal year quarter [CCR Title 27, Division 1, Subdivision 4, §15290(b)]). Regulators can meet this requirement by:

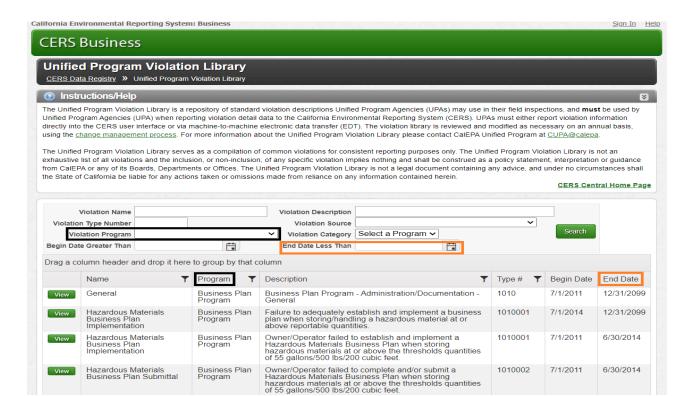
- o Manually entering CME data using the CERS Regulator Portal, or
- o Using CERS Electronic Data Transfer(EDT) Services, or
- Using the CME Data Upload Template to upload CME data to CERS in bulk. In order to successfully be uploaded into CERS using the CME Data Upload Template, the data must conform exactly to the structure of the CME Data Upload Template (having identical columns, headings and order, as well as worksheet names), and

Quick Links for Regulator Users

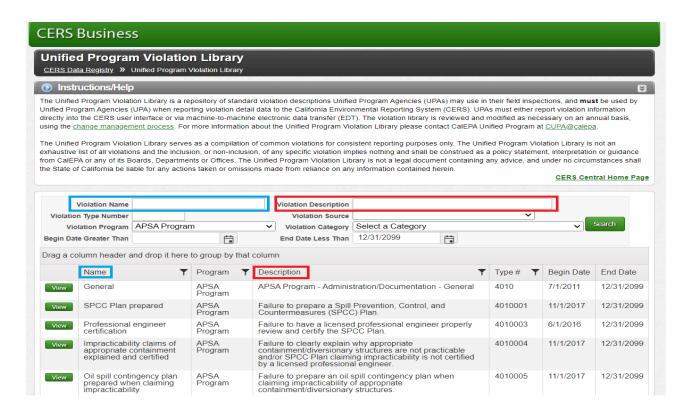


- Violation Library **Factsheet**
- Chemical Library
- Unified Program **Agency Reporting** Requirements for **Regulated Businesses**
- CERS Regulator **Training Portal**

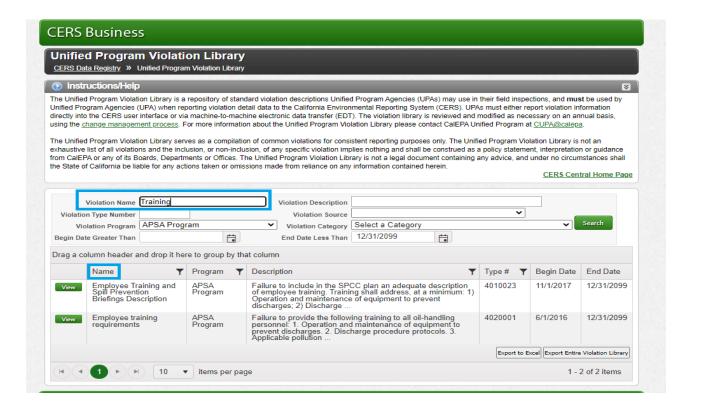




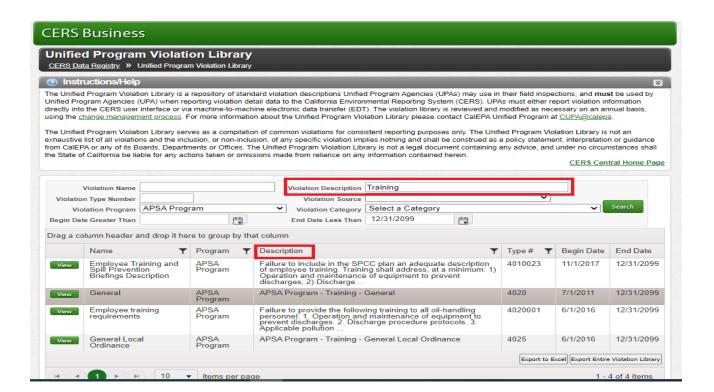




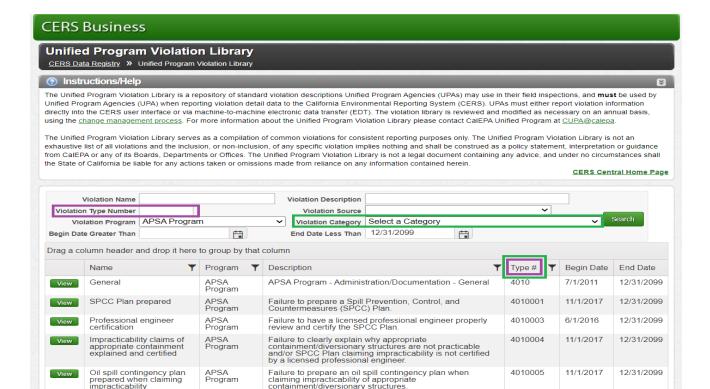














Violation Type Number

- First Number is the UPA Program
 - ➤ HMBP = 1, UST = 2, Hazwaste = 3, APSA = 4, CalARP = 5
- Second number is the subcategory of UPA Program
 - ➤ RCRA LQG = 31, TP = 32, HHW = 33



Violation Type Number

- Middle two numbers indicate the Violation Category
 - Administration/Documentation = 10
 - \rightarrow Training = 20
 - Operations/Maintenance = 30
 - Release/Leaks/Spills = 40
 - Abandonment/Illegal Disposal/Unauthorized Treatment = 50
 - Design/Construction = 60

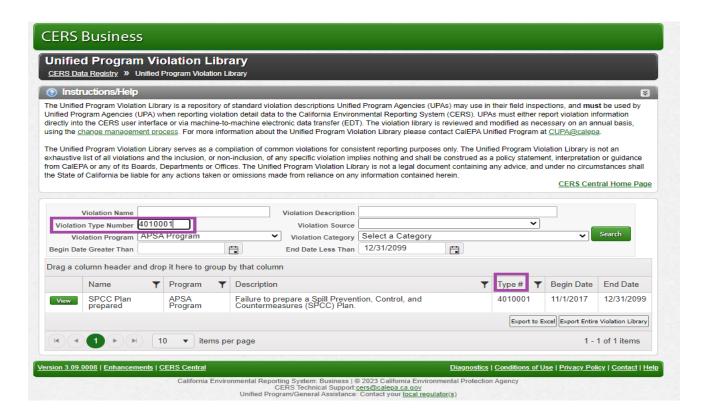


Violation Type Number

 Last three numbers are the Violation Number for specific category added to the library

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Program – Category – Number
4010001
40 - 10 - 001
40 = APSA 10 = Admin/Doc 001 = 1<sup>st</sup> violation for Admin/Doc
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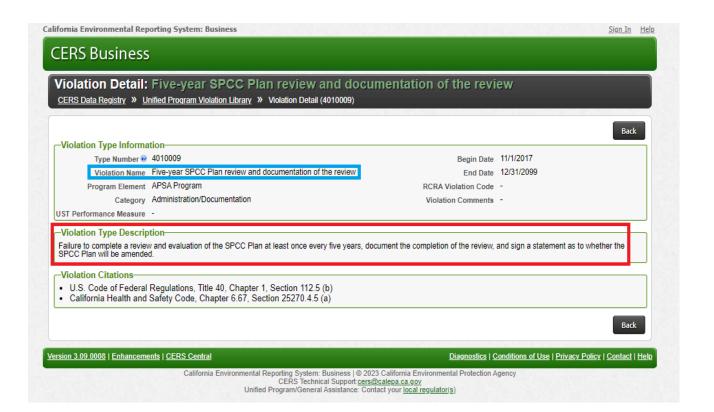




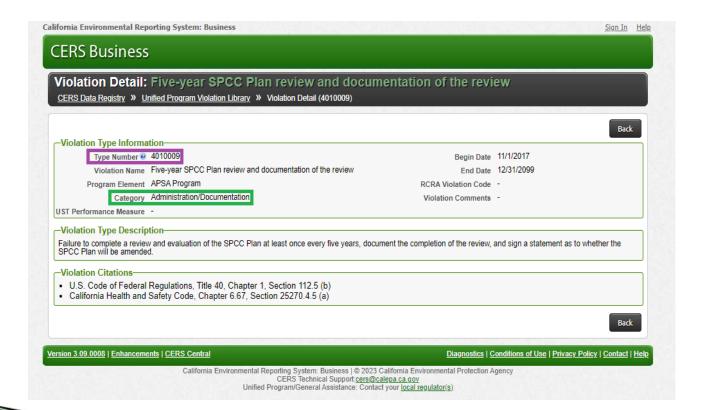




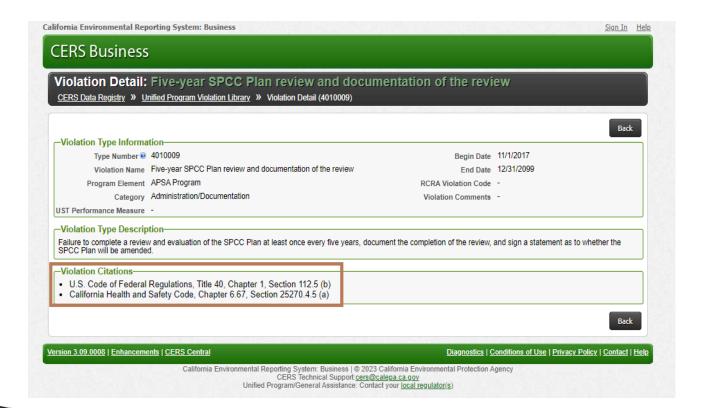






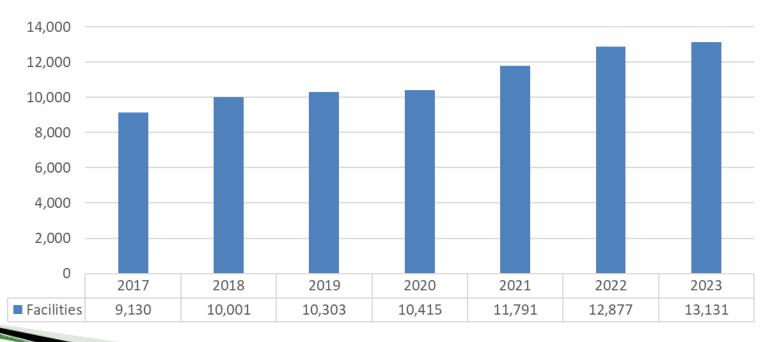








2017 – 2023 APSA Facilities in CERS



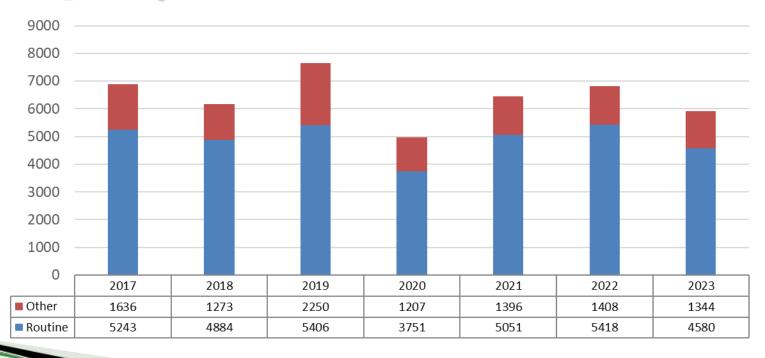


2023 APSA Inspection Data

- Inspections conducted: 5924
- Violations cited: 6416
- Violation Categories
 - Abandonment/Illegal Disposal/Unauthorized Treatment: 2 violations
 - Administration/Documentation: 3998 violations
 - Operations/Maintenance: 1637 violations
 - ➤ Release/Leaks/Spills: 26 violations
 - > Training: 753 violations

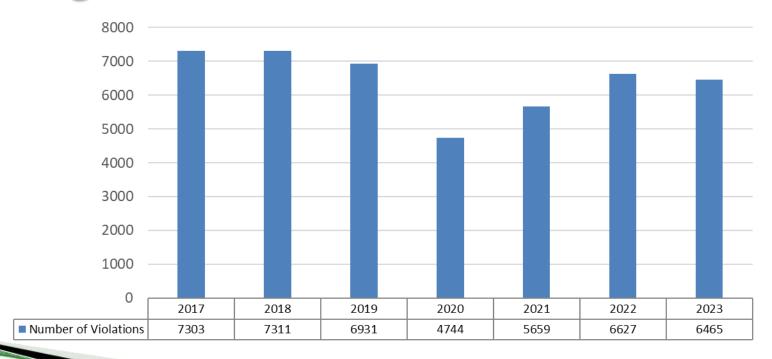


2017 – 2023 Inspections Conducted



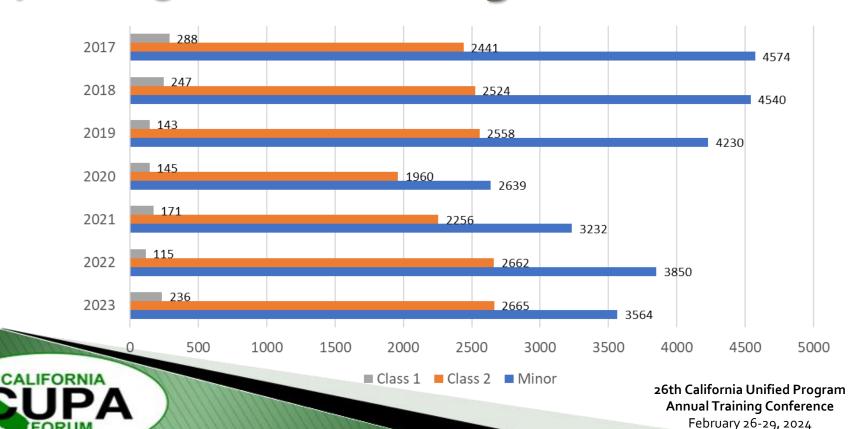


2017 – 2023 Violations Cited



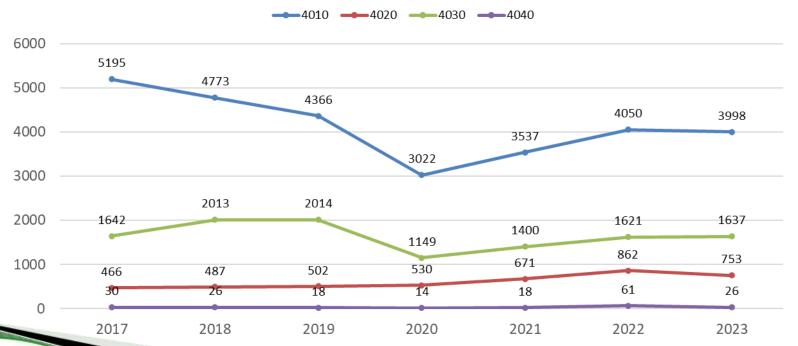


2017 – 2023 Violation Categories



2017 – 2023 Violation Trends

4010 – Admin/Documentation 4020 – Training 4030 – Operations/Maintenance 4040 – Release/Leak/Spill





	2017	2018	2019	2020	2021	2022	2023	
4010	454							General admin/documentation
4010001	670	500	469	329	369	391	426	Plan prepared
4010008	316	220	227	180	199	255	228	Plan available onsite
4010009	398	376	362	225	307	397	357	Five-year review
4010010	227	241	198	130				Technical amendments
4010021	626	576	596	402	534	606	522	Written inspections/testing
4010023	291	215						Training descriptions
4010028	204	203						Discuss inspection procedures
4010032	194		209	200	265	283	264	CERS tank facility statement
4010041				162	165	224	237	Listing oil type and storage
4020001	429	430	393	264	309	416	360	Content of employee training
4020002				245	342	419	372	Spill briefings not conducted
4030014		213	199		197	236		Inspected by qualified person
4030015			308	237	168	310	300	Testing meet industry standards
4030038							285	Failure to implement plan
4030040			251	273				No longer in violation library



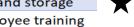
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4030015			308	237	168	310	300	Testing meet industry standards
4030038							285	Failure to implement plan
4030040			251	273				No longer in violation library







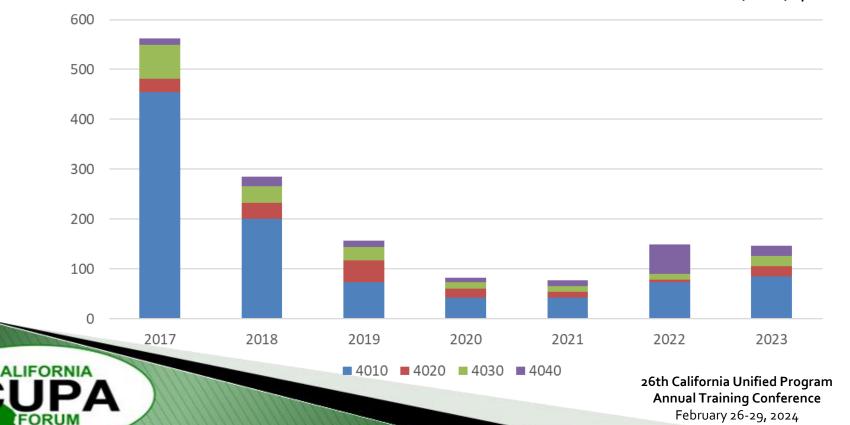
	2017	2018	2019	2020	2021	2022	2023	
4010	454							General admin/documentation
4010001	670	500	469	329	369	391	426	Plan prepared
4010008	316	220	227	180	199	255	228	Plan available onsite
4010009	398	376	362	225	307	397	357	Five-year review
4010010	227	241	198	130				Technical amendments
4010021	626	576	596	402	534	606	522	Written inspections/testing
4010023	291	215						Training descriptions
4010028	204	203						Discuss inspection procedures
4010032	194		209	200	265	283	264	CERS tank facility statement
4010041				162	165	224	237	Listing oil type and storage
4020001	429	430	393	264	309	416	360	Content of employee training
4020002				245	342	419	372	Spill briefings not conducted
4030014		213	199		197	236		Inspected by qualified person
4030015			308	237	168	310	300	Testing meet industry standards
4030038							285	Failure to implement plan
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Usage of General Violations

4010 – Admin/Documentation 4020 – Training 4030 – Operations/Maintenance 4040 – Releases/Leak/Spill



APSA FAQ

- I already submit a HMBP, do I still need an SPCC plan?
- Can a business with multiple facilities/locations have a single SPCC plan?
- Are ASTs that are empty or no longer in service still required to be included in a facility's SPCC plan?



Additional Resources

- Board of Professional Engineers, Land Surveyors, and Geologists
- California CUPA Forum Board
- CERS Violation Library
- Department of Consumer Affairs
- OSFM Website
- SPCC EPA Guidance Document





Any Questions?

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